

Title (en)

RUBBER COMPOSITIONS COMPRISING METAL CARBOXYLATES AND PROCESSES FOR MAKING THE SAME

Title (de)

KAUTSCHUKZUSAMMENSETZUNGEN MIT METALLCARBOXYLATEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

COMPOSITIONS DE CAOUTCHOUC COMPORTANT DES CARBOXYLATES MÉTALLIQUES ET LEURS PROCÉDÉS DE FABRICATION

Publication

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Application

EP 13792179 A 20131104

Priority

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- US 2013068296 W 20131104

Abstract (en)

[origin: WO2014071301A1] The present disclosure provides reinforcing filler-containing rubber compositions suitable for use in tires, and particularly in tire treads. These rubber compositions comprise a metal carboxylate. The metal carboxylate provides improved processability to the rubber compositions in the form of a reduced Mooney viscosity. In certain exemplary embodiments, these rubber compositions containing the metal carboxylate also have an enhanced elastic modulus (also referred to as the G'). Further, in certain of the enhanced elastic modulus embodiments, the rubber compositions containing the metal carboxylate also have decreased hysteresis loss.

IPC 8 full level

B60C 1/00 (2006.01)

CPC (source: EP US)

B60C 1/0016 (2013.01 - EP US); **C08K 3/04** (2013.01 - EP US); **C08K 3/36** (2013.01 - EP US); **C08K 5/098** (2013.01 - EP US); **C08K 5/5415** (2013.01 - EP US); **C08K 5/548** (2013.01 - EP US); **C08K 13/02** (2013.01 - US)

C-Set (source: EP US)

1. **C08K 5/098 + C08L 9/00**
2. **C08K 3/04 + C08L 9/00**
3. **C08K 3/36 + C08L 9/00**
4. **C08K 5/5415 + C08L 9/00**

Citation (search report)

See references of WO 2014071301A1

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Designated extension state (EPC)

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